










RODIA® Diamond Core Drilling Equipment

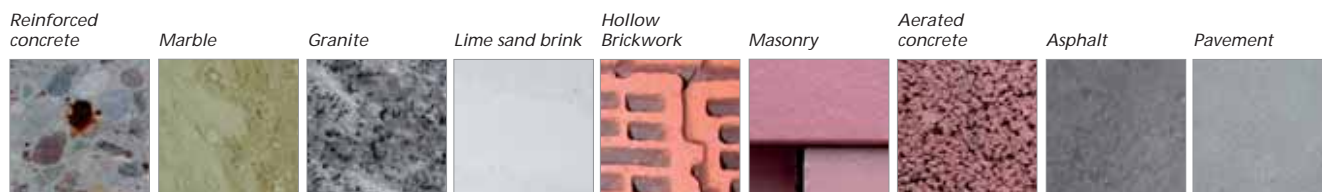
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System Overview Diamond Core Drilling

| ROTHENBERGER Diamond Drilling Technology | | | | | | |
|---|--|---|---|--|---|---|
| | RODIADRILL Ceramic/ Ceramic ECO | RODIADRILL 1800 DRY | RODIACUT® 130 DWS | RODIACUT® 170 PRO | RODIACUT® 270 PRO | RODIACUT® 400 PRO |
|  |  |  |  |  |  |  |
| Drilling range in concrete | 6 - 68 mm | - | 10 - 132 mm | 10 - 172 mm | 32 - 272 mm | 32 - 402 (502) mm |
| Drilling range in masonry | 6 - 68 mm | 32 - 202 mm | 32 - 152 mm | 32 - 202 mm | 32 - 272 mm | 32 - 402 (502) mm |
| Distance to wall | 30 mm | 40 mm | 40 mm | 40 mm | 50 mm | 50 mm |
| Stationary | - / 68 mm | 32 - 152 mm | 10 - 132 mm | 10 - 172 mm | 32 - 272 mm | 32 - 402 (500) mm |
| Watt output | 800 W | 1800 W | 1400 W | 1800 W | 2400 W | 3000 W |
| Weight | 3.4 / 3.2 kg | 5.8 kg | 16.2 kg | 12.8 kg | 30.5 kg | 40.5 kg |
| Special-features | Wide area of use, extremely light machine, especially for hard natural stone/tiles | Soft pulse can be turned on / off Integrated extraction rotor | 4 functions with just one device Patented drill stand | 4 functions with just one device Fully equipped drill stand | Motor-quick release system Fully equipped drill stand | Innovative motor electronics, fully equipped drill stand, extremely high torque |
|  | 298, 299 | 297 | 300 | 302, 303 | 304, 305 | 306, 307 |

| ROTHENBERGER Diamond Core Drill Bits | | | | |
|---|--|---|--|---|
| | Duramant PRO / DX-High Speed Plus | SPEED STAR DX | High Speed Plus natural stone | EUROLASER |
|  |  |  |  |  |
| Application Area | Wet and dry drill bit | Wet and dry drill bit | Wet drill bit | Dry drill bit |
| Socket threads | R1/2" + 1.1/4" UNC | R1/2" + 1.1/4" UNC | R1/2* | M16, M30 x 2, 1.1/4" UNC |
| Effective length | 320, 430 / 400, 500 | 400 / 500 | 60 / 120 / 300 | 90 / 150 / 300 |
| Segment mount | Laser-welded / space welded | Space welded | Soldered | Laser-welded |
| Segment form | Roof-type segment / PRISMACUT | PRISMACUT | Flat segment | Roof-type segment |
| Material | Reinforced concrete, concrete marble, granite, lime sand brick, hollow brickwork, masonry, aerated concrete, clinker | Reinforced concrete, concrete asphalt*, pavement* <small>*custom-made on request</small> | Reinforced concrete, marble granite, hollow brickwork masonry, clinker | Lime sand brick, hollow brickwork, masonry, aerated concrete, clinker |
|  | 310 - 311 / 313 | 312 | 314 | 315 |



Hand-Operated Dry Drilling Machine



Ø 202

RODIADRILL 1800 DRY

Hand-operated dry drilling, drill Ø 32 - 202 mm

Product Profile

APPLICATION AREA

Hand-operated dry drilling, optimal for drilling in lime sand brick, masonry, brickwork, pumice, aerated concrete. Ideal for use in the HVAC&R, plumbing and electrical industries, in enclosed rooms or in inhabited buildings where jolt and dust free operation is required, (in accordance with § 45 Abs. 1 and 2 ASchG).

KEY FEATURES

- 1 Efficient drilling with the help of the POWER PULS technology
- 2 Optimum drilling results with the powerful extraction rotor
- 3 Electronic friction clutch with 20 Nm torque
- 4 Safe operation with the electronic soft start with overload indicator
- 5 Better operating position, directly against the wall, small compact design

KEY FEATURES

- Operation possible with Rodiacut® 170 Pro (FF30171), (131 DWS (FF30131)) drill stand
- Clamping adaptor Ø 56 mm

TECHNICAL DATA

| | |
|------------------------------------|------------------------------|
| Transmission: | 1 speed transmission |
| Nominal speed: | 1150 rpm |
| Drilling range in mm: | Ø 32 - 202 |
| Voltage: | 230 V |
| Rated input/output: | 2500 Watt / 1800 Watt |
| Charging rate: | 8.5 A |
| Minimum distance to wall: | 40 mm from drill hole centre |
| Minimum distance to corner: | 40 mm from drill hole centre |
| Weight: | 5.8 kg |

- 1 **POWER PULS-Technology** mode with 23.000 soft beats per minute

Efficient drilling in hard materials

- 2 **Small integrated dust extraction**

Optimum drilling results for larger diameters



Lightweight: 5.8 kg

4-part set (No. FF40185) includes: Drill motor RODIADRILL 1800 DRY incl. transport case (No. FF60185), spanner size 24 and size 36 (No. FF70024 / No. FF70036)

| Model | kg | No. |
|-------------------------|------|---------|
| RODIADRILL 1800 DRY Set | 5.80 | FF40185 |

Dust free use



ACCESSORIES



| Description | kg | No. | Description | kg | No. |
|---|------|---------|------------------------------------|-------|---------|
| Centering pin as drill support, 300 mm | 0.33 | FF03300 | Socket drill bit Ø 68 mm | 0.20 | FF03168 |
| Centering pin as drill support, 400 mm | 0.35 | FF03301 | Socket drill bit Ø 82 mm | 0.30 | FF03182 |
| Centering tip "Quick Out" (only with FF35097) | 0.10 | FF35096 | RODIA DC 1200 | 10.80 | FF35148 |
| Adaptor R 1/2" for M16 | 0.10 | FF35097 | Transport case RODIADRILL 1800 DRY | 4.40 | FF60185 |

EUROLASER drill bits on 315



Hand-Operated Wet Drilling Machines

RODIADRILL Ceramic RODIADRILL Ceramic ECO



Hand-operated wet drilling, drill Ø 6 - 68 mm

Ideally suited for HVAC&R, plumbing professionals, tilers, stair builders, remodelling specialists as well as electricians.

Everywhere where jolt-free operation is necessary and extremely hard materials need to be processed.

Product Profile

APPLICATION AREA

Hand-operated wet drilling in:
(reinforced) concrete Ø 6 - 35 mm, marble, granite, ceramic tiles Ø 6 - 68 mm, masonry and hollow brickwork Ø 6 - 68 mm, glass Ø 6 - 68 mm

KEY FEATURES

- For all common R 1/2" drill bits
- Fatigue-free operation with the light weight
- Also drills through material combinations (for example tiles + masonry) without damaging material or surfaces and without cumbersome tool change
- Safe operation with the mechanical friction clutch and PRCD switch
- ① "Aqua-Stop Button" with quantity adjustment
- ② Ideal for serial drilling with the external water supply
- ③ Tool-less exchange of the drill bits with the Quick Change system
- ④ Integrated 1 litre water tank for 4-6 drill holes

TECHNICAL DATA

| | | |
|------------------------------------|---------------------------------|---------------------------|
| 2-speed transmission: | 1. Gear speed | 2. Gear speed |
| Nominal speed: | 3600 rpm | 6400 rpm |
| Drilling range in mm: | Ø 25 - 68 | Ø 6 - 25 |
| Voltage: | 230 V | |
| Rated input/output: | 1150 Watt / 800 Watt | |
| Charging rate: | 3.6 A | |
| Maximum drilling depth: | 400 mm (depending on material) | |
| Minimum distance to wall: | 30 mm from drill hole centre | |
| Minimum distance to corner: | 30 mm from drill hole centre | |
| Weight: | 3.4 kg Ceramic | 3.2 kg Ceramic ECO |
| Stationary: | Ø 68 mm (Ceramic ECO)* | |

*Only in tiles! Otherwise max. 35 mm in concrete.

④ Integrated 1 litre water tank

Sufficient supply for 4 - 6 drill holes and can be rotated when working in confined spaces

③ Quick Change System drill bit adaptor

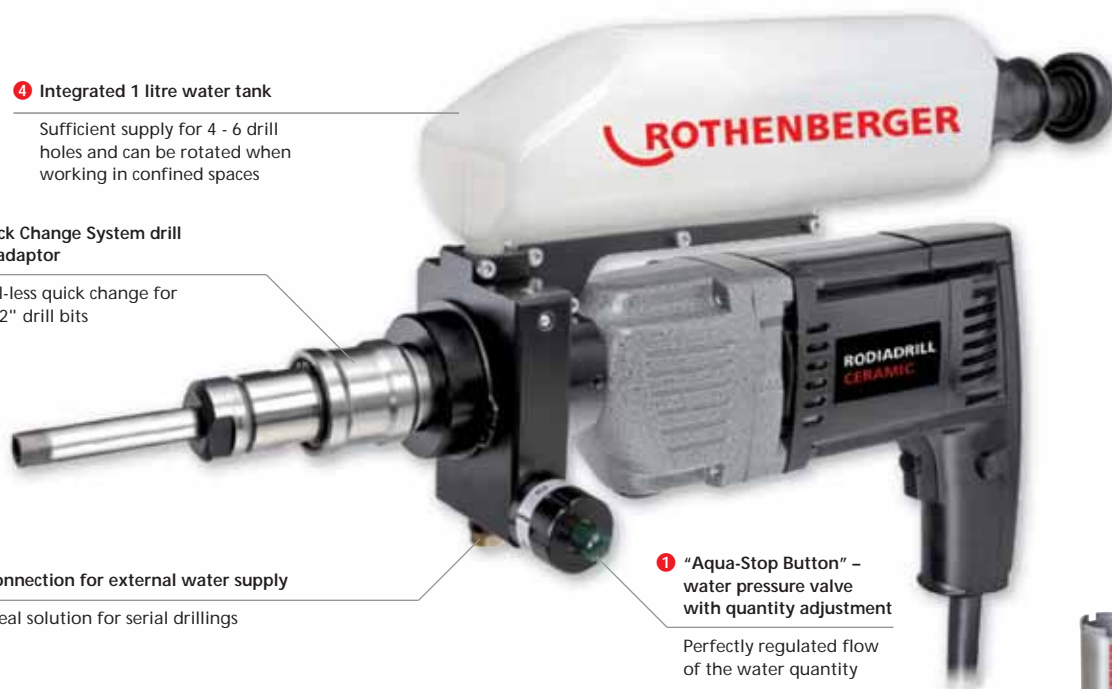
Tool-less quick change for R 1/2" drill bits

② Connection for external water supply

Ideal solution for serial drillings

① "Aqua-Stop Button" – water pressure valve with quantity adjustment

Perfectly regulated flow of the water quantity



You will find special drill bits for RODIADRILL Ceramic on page 314

Drilling of the hardest materials



Clean drilling of tiles



4-part set (No. FF40150) includes: Drill motor RODIADRILL Ceramic (No. FF40150P), 1 high speed plus drill bit each Ø 6 - 8 - 10 mm (No. FF44806, FF44808, FF44810) spanners sizes 24 and 27 (No. FF70024, FF70027), transport case (No. FF60150)

| | | |
|------------------------|-----|---------|
| Model | kg | No. |
| RODIADRILL Ceramic Set | 3.4 | FF40150 |

Hand-Operated and Stationary Wet Drilling Machine

RODIADRILL Ceramic ECO

Hand-operated and stationary wet drilling machine, drill Ø 6 - 68 mm

- Further developed for **hand-operated and stationary** wet drilling in the smallest drilling range
- Drills in all the hardest materials such as tile, natural stone, concrete glass and ceramic
- Especially recommended for high-quality bathroom installations without damaging surface materials
- Water extraction is possible with the stand guided drill



Stationary drilling is possible!
With drill stand (No. FF30130)

3 Quick Change System drill bit adaptor

Tool-less quick change for drill bits R 1/2"

Please pay attention to special characteristics / advantages on page 298



Ø 56 mm clamping adaptor
For stationary drilling

2 Integrated water flow socket with Aqua-stop and adjustable water tap
Ideal solution for serial drillings

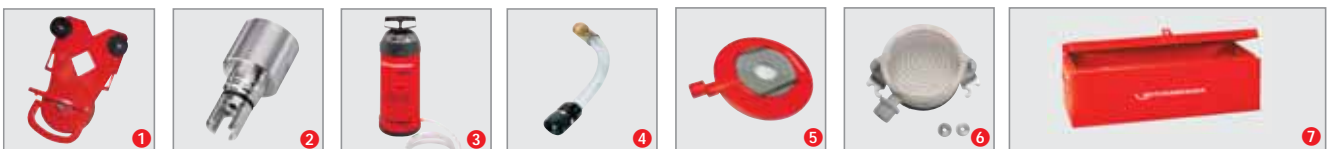
You will find special drill bits for RODIADRILL Ceramic on page 314

Set (No. FF40140) includes: Drill motor RODIADRILL Ceramic ECO (No. FF40140), spanner sizes 24 and 27 (No. FF70024, FF70027), Quick change adaptor R 1/2" (No. FF35751), transport case (No. FF60150)

| Model | kg | No. |
|-------------------------------|------|----------------|
| RODIADRILL Ceramic ECO | 3.2 | FF40140 |
| RODIACUT® drill stand 130 DWS | 10.0 | FF30130 |

| Model | kg | No. |
|----------------------------------|-----|----------------|
| Quick change adaptor R 1/2" | 6.2 | FF35751 |
| Pressurized water container 10 l | 5.5 | FF35026 |

ACCESSORIES



| Description | kg | No. | Description | kg | No. |
|---|------|----------------|--|------|----------------|
| Freehand drill support up to Ø 83 mm 1 | 0.45 | FF35750 | Water supply hose with "aqua-stop" 4 | 0.21 | FF35302 |
| Quick change adaptor 2 | 0.20 | FF35751 | Water collection ring, hand-operated 5 | 0.80 | FF35701 |
| Pressurized water container 10 l 3 | 5.50 | FF35026 | Water collection ring, stationary 6 | 1.20 | FF35700 |
| Special water supply hose 4 | 0.20 | FF35301 | Transport case RODIADRILL Ceramic ECO 7 | 4.60 | FF60140 |

Drill Bit High-Speed-Plus Natural Stone 314

Stationary drilling



Quick change adaptor



Drill bits HSP natural stone



Hand-Operated and Stationary Wet & Dry Drilling Machine

RODIACUT® 130 DWS

Drilling range from Ø 10 - 132 mm

Ideal for use in HVAC&R, plumbing and electrical industries, as well as the entire building industry where jolt and dust-free operation is required. The light weight and tool-less operation allows an easy



one-man operation and makes this unit a "must" on every construction site.

Product Profile

APPLICATION AREA

| | |
|---|---------------|
| Stationary wet drilling in (reinforced) concrete | Ø 10 - 132 mm |
| Stationary dry drilling in masonry | Ø 32 - 132 mm |
| Hand-operated wet drilling in (reinforced) concrete | Ø 10 - 82 mm |
| Hand-operated dry drilling in masonry | Ø 32 - 152 mm |

KEY FEATURES

- 4 applications in one device offers great flexibility in use
- All adjustments can be done with one tool
- Drill stand with integrated vacuum plate and valve
- Light weight due to patented, torsion resistant and rust-proof profile column
- Safe use with the electronic soft start and electronic friction clutch

KEY FEATURES

- Standard threaded adaptor for all common drill bits R 1/2" and 1.1/4" UNC
- Drill angle is adjustable from 0° - 45° (Pre-adjustment 15° / 30° / 45°)

TECHNICAL DATA (DRILL MOTOR)

| | | |
|-------------------------------|------------------------------|-----------|
| Drill motor: | RODIADRILL 1400 DWS | |
| 2-speed transmission: | 1. Gear | 2. Gear |
| Nominal speed: | 500 rpm | 1050 rpm |
| Drilling range in mm: | Ø 60 - 132 | Ø 10 - 62 |
| Voltage: | 230 V | |
| Rated input: | 2000 Watt | |
| Rated output: | 1400 Watt | |
| Max. drilling depth: | 450 mm | |
| Min. distance to wall: | 40 mm from drill hole centre | |
| Charging rate: | 8.5 A | |
| Weight: | Drill stand | 9.5 kg |
| | Motor | 6.7 kg |

Threaded adaptor:
R 1/2" and 1.1/4" UNC

Patented profile column
Anodised aluminium drilling column with integrated rack

Torsion resistant, light and rust-proof as well as high energy transmission

With integrated vacuum plate / valve and 4 adjustable screws to level out unevenness

High-quality drill base

Drill angle is adjustable to 15°, 30° and 45°

Meets practical requirements



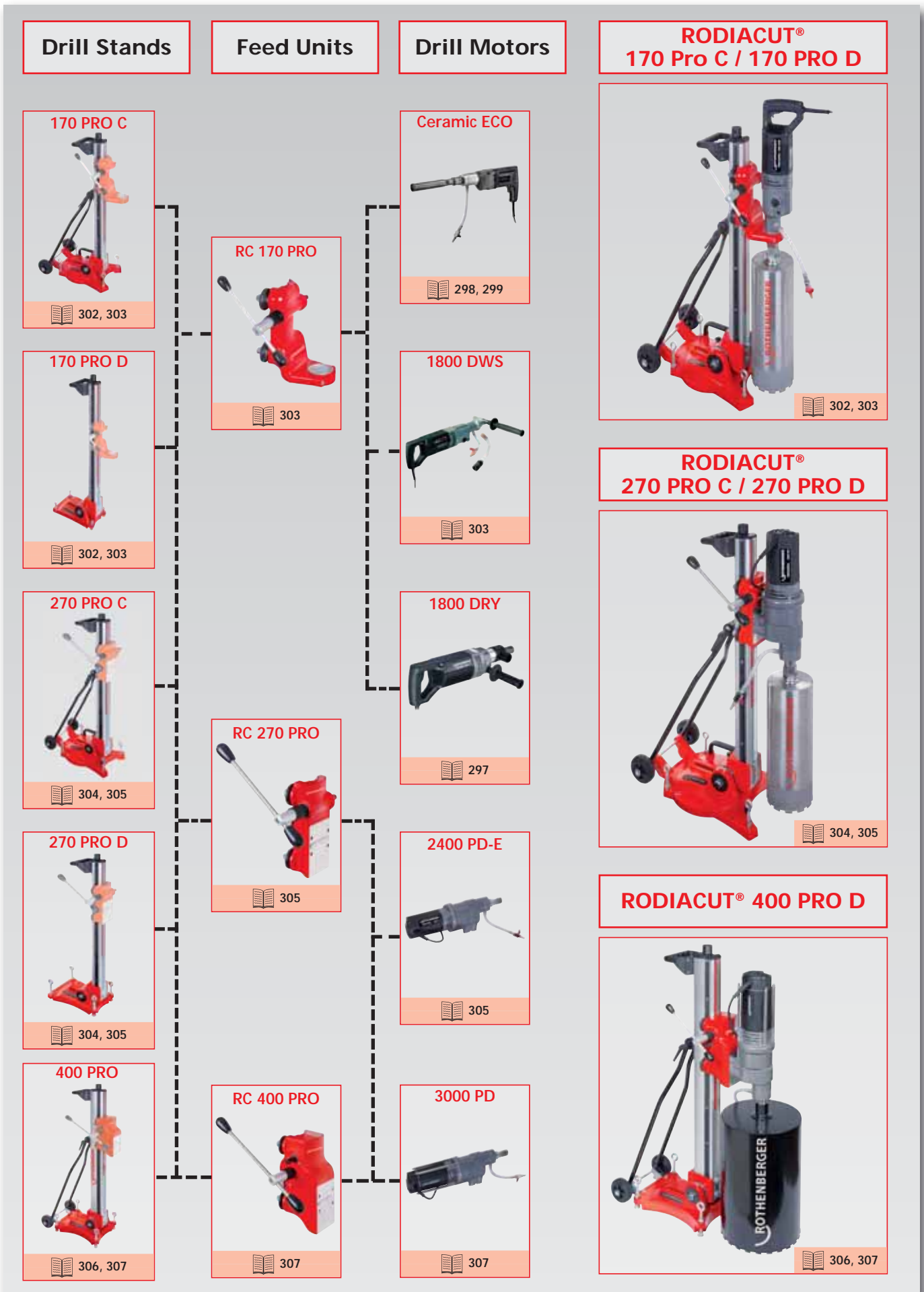
Scope of delivery (No. FF34130): Drill stand RODIACUT® 130 DWS (No. FF30130), drill motor RODIADRILL 1400 DWS (No. FF40160), drill bit Ø 60 mm HSP, (No. FF44060), concrete fixing bolt set (No. FF35120), 1 x spanner 24 mm, 36 mm and 41 mm, (No. FF70024), (No. FF70036) and (No. FF70041), water supply hose (No. FF35302)

| Model | kg | No. |
|----------------------------------|------|----------------|
| RODIACUT® 130 DWS | 16.2 | FF34130 |
| Drill motor RODIADRILL 1400 DWS | 6.7 | FF40160 |
| Drill stand RC 130 DWS | 9.5 | FF30130 |
| Transport case RODIACUT® 130 DWS | 8.6 | FF60131 |
| Drillbits on 310 | | |

Article in 110 Volt available on request

Diamond Core Drilling System RODIACUT® PRO

RODIA® Modular System



Diamond Core Drilling System RODIACUT® PRO

RODIACUT® 170 PRO C / 170 PRO D

Drilling system with dowel- or vacuum combination plate drill Ø 10 - 202 mm



Product Profile

APPLICATION AREA

4 Applications with just one unit:

| | |
|---|---------------|
| Stationary wet drilling in (reinforced) concrete | Ø 10 - 172 mm |
| Stationary dry drilling in masonry | Ø 32 - 172 mm |
| Hand-operated wet drilling in (reinforced) concrete | Ø 10 - 82 mm |
| Hand-operated dry drilling in masonry | Ø 32 - 202 mm |

KEY FEATURES

- 1 Universal feed unit, can also be used with RODIACUT® 270 PRO and 400 PRO
- 2 Drill angle adjustment from -15° up to +45°, in 2.5° adjustable steps, with RODIACUT® 170 PRO also 90° angles possible
- 3 Quick display of the drill hole centre (only with combination plate)
- Reducing ring available for 56 mm and 53 mm

TECHNICAL DATA (DRILL STANDS)

| | | |
|-----------------------------|--|------------------|
| Drilling range: | no water collection ring: max. Ø 172 mm with water collection ring: max. Ø 132 mm | |
| Weight: | 13.1 kg / 12.8 kg (anchor plate) | |
| Drill motor adaptor: | Ø 60 mm | |
| | 170 PRO C | 170 PRO D |
| Length: | 470 mm | 315 mm |
| Width: | 300 mm | 180 mm |
| Height: | 860 mm | 860 mm |
| Hub: | 525 mm | 525 mm |

TECHNICAL DATA (DRILL MOTOR)

| | |
|---------------------------------|---|
| Drill motor: | RODIADRILL 1800 DWS |
| Drilling range: | in concrete max. Ø 172 mm in masonry max. Ø 202 mm |
| Min. distance to wall: | 40 mm from drill hole centre |
| Min. distance to corner: | 40 mm from drill hole centre. |
| Threaded adaptor: | R 1/2" + 1.1/4" UNC |
| Rated input/output: | 2500 Watt / 1800 Watt |
| 2 speed transmission: | (760 - 1570 rpm) |
| Torque: | 58 - 27 Nm |
| Charging rate: | 8.5 A |
| Weight: | 7.0 kg |
| Clamping neck: | Ø 56 mm |



Sliding carriage on all RODIACUT® PRO drill stands and columns

Stable and low-vibration operation, flexible use / modular design



Braced head

Integrated fastening possibility for serial drillings (rectangular wood block or steel pipe)

Rubber transport wheels

Quick and easy transport on the building site (standard with combination plate)

With integrated vacuum plate / valve and 4 adjustable screws to level out unevenness

High-quality drill base

2 Drill angle adjustment

Adjustable from 15° up to +45° in 2.5° steps (with 170 PRO C 90°)

3 Drill hole centre indicator

Quick adjustment for an exact drilling position



Diamond Core Drilling System RODIACUT® PRO

CHARACTERISTICS 170 PRO C AND 170 PRO D

Available with both drill stands:

- 4 x roll guides
- Stainless steel handle, can be changed without tools
- Exchangeable rack and guide rail
- Stable threaded connection between column and base plate
- Transport handle
- Lockable feed unit
- Drill depth measuring scale
- Braced head
- Ø 60 mm clamping neck adaptor

STANDARD EQUIPMENT FOR 170 PRO C

- Second transport handle
- Transport wheels
- Vacuum plate
- Drill hole centre indicator
- Vacuum valve

Stainless steel handle

Tool-less quick change for the operating side, sturdy design

1 Feed unit and 4 x roll guides

Universally applicable on RODIACUT® 270 PRO and 400 PRO



Fig. 170 PRO D

Fig. 170 PRO C



Clean work in enclosed rooms

Scope of delivery (No. FF34171 / FF34170): Drill stand RODIACUT® 170 PRO C or 170 PRO D, drill motor RODIADRILL 1800 DWS, reducing ring 56 mm (No. FF5152), spanner size 1 - size 2 - size 3 - size 4, Allen key, water supply hose (No. FF35302), concrete set, complete (No. FF35120), copper ring 1.1/4" (No. FF35190), instruction manuals: RODIADRILL 1800 DWS (No. 9.0704), RODIACUT® 170 - 400 (No. 9.0726), tool bag (No. FF70001)

| Model | kg | No. |
|-----------------------------------|------|----------------|
| RODIACUT® 170 PRO C complete | 13.1 | FF34171 |
| RODIACUT® 170 PRO D complete | 12.8 | FF34170 |
| RODIADRILL 1800 DWS | 7.0 | FF40180 |
| Drill column RODIACUT® 170 PRO C | 6.1 | FF30171 |
| Drill column RODIACUT® 170 PRO D | 5.8 | FF30170 |
| Drill column 860 mm, Hub 525 mm | 7.6 | FF50978 |
| Drill column 1335 mm, Hub 1000 mm | 12.4 | FF50981 |
| Drill column 1835 mm, Hub 1500 mm | 16.5 | FF50982 |
| Feed unit for RC 170 PRO | 3.1 | FF50977 |
| Anchor foot for RC 170 PRO | 3.3 | FF50979 |

ACCESSORIES



| Description | No. | Description | No. |
|----------------------------------|---------------------------|--------------------------------------|----------------------|
| RODIADRILL CERAMIC ECO | 1 298, 299 FF40150 | RODIA DRY CLEANER 1200 | 5 317 FF35148 |
| RODIADRILL 1800 DRY | 2 297 FF40185 | Water collection ring, hand-operated | 6 319 FF35701 |
| Pressurized water container 10 l | 3 318 FF35026 | Water collection ring, stationary | 7 318 FF35700 |
| Vacuum pump RODIA-VAC | 4 316 FF35200 | Drill bits | 8 310-315 |



Diamond Core Drilling System RODIACUT® PRO

RODIACUT® 270 PRO C / 270 PRO D

Drill stand with dowel- or vacuum combination plate drill Ø 32 - 272 mm



Product Profile

APPLICATION AREA

2 applications in one unit:

Stationary wet drilling in (reinforced) concrete Ø 32 - 272 mm

Stationary dry drilling in masonry Ø 32 - 272 mm

KEY FEATURES

- 1 Universal feed unit, can also be used with RODIACUT® 270 PRO und 400 PRO
- 2 Drill angle adjustment from -15° up to +45°, in 2.5° adjustable steps, with RODIACUT® 170 PRO also 90° angles possible
- 3 Drill hole centre indicator (270 PRO C) for quick alignment

TECHNICAL DATA (DRILL STANDS)

| | | |
|-----------------------------|--|------------------|
| Drilling range: | no water collection ring: max. Ø 272 mm with water collection ring: max. Ø 222 mm | |
| Weight: | 16.8 kg / 16.5 kg (anchor plate) | |
| Drill motor adaptor: | Direct adaptor for feed unit | |
| | 270 PRO C | 270 PRO D |
| Length: | 520 mm | 330 mm |
| Width: | 330 mm | 220 mm |
| Height: | 980 mm | 980 mm |
| Hub: | 595 mm | 595 mm |

TECHNICAL DATA (DRILL MOTOR)

| | |
|---------------------------------|---|
| Drill motor: | RODIADRILL 2400 PD-E |
| Drilling range: | in concrete max. Ø 272 mm in masonry max. Ø 272 mm |
| Min. distance to wall: | 50 mm from drill hole centre |
| Min. distance to corner: | 50 mm from drill hole centre |
| Threaded adaptor: | R 1/2" + 1.1/4" UNC |
| Rated input/output: | 3000 Watt / 2400 Watt |
| 3 speed transmission: | (300 - 600 - 1120 rpm) |
| Torque: | 95 - 47 - 23 Nm |
| Charging rate: | 14.9 A |
| Weight: | 9.0 kg |



4 x roll guides
Zero-play operation



Sliding carriage can be used on all RODIACUT® PRO drill stands and columns
Tool-less quick mounting/demounting of drill motor on drill stand

Rubber transport wheels
Quick and easy transport on the building site (standard with combination plate, optional with anchor plate)

With integrated vacuum plate / valve and 4 adjustable screws to level out unevenness

High-quality drill base



2 Drill angle adjustment
Adjustable from 15° up to +45° in 2.5° steps (with 270 PRO C up to 90°)

3 Drill hole centre indicator
Fast alignment of the drill hole centre



Diamond Core Drilling System RODIACUT® PRO

CHARACTERISTICS 270 PRO C AND 270 PRO D

Available with both drill stands:

- 4 x roll guides
- Stainless steel handle, can be changed without tools
- Exchangeable rack and guide rail
- Stable threaded connection between column and base plate
- Transport handle
- Lockable feed unit
- Drill depth measuring scale
- Braced head

STANDARD EQUIPMENT FOR 270 PRO C

- Second handle
- Vacuum plate
- Vacuum valve
- Transport wheels
- Drill hole centre indicator

Stainless steel handle

Tool-less quick change for the operating side, sturdy design



Fig. 270 PRO C

Fig. 270 PRO D

1 Feed unit

Universally applicable on RODIACUT® 170 PRO and 400 PRO



Scope of delivery (No. FF34271 / FF34270): drill stand RODIACUT® 270 PRO C or 270 PRO D, drill motor RODIADRILL 2400 PD-E, reducing ring 56 mm (No. FF85152), spanner size 1 - size 2 - size 3 - size 4, water supply hose (No. FF35302), concrete set, complete (No. FF35120), copper ring 1.1/4" (No. FF35190), instruction manuals: RODIADRILL 2400 PD-E (No. 9.0705), Bal RODIACUT® 170 - 400 (No. 9.0726), tool bag (No. FF70001)

| Model | kg | No. |
|---|------|----------------|
| RODIACUT 270 PRO C complete | 30.8 | FF34271 |
| RODIACUT 270 PRO D complete | 30.5 | FF34270 |
| RODIADRILL 2400 PD-E | 10.1 | FF40210 |
| Drill stand RODIACUT® 270 PRO C | 20.7 | FF30271 |
| Drill stand RODIACUT® 270 PRO D | 20.4 | FF30270 |
| Drill column 980 mm, Hub 595 mm | 8.4 | FF50985 |
| Drill column 1385 mm, Hub 1000 mm | 12.5 | FF50988 |
| Drill column 1885 mm, Hub 1500 mm | 16.5 | FF50989 |
| Anchor base for RC 270 PRO | 3.1 | FF50984 |
| Anchor base for RC 270 PRO | 5.2 | FF50986 |
| Combination base for RC 270 PRO | 7.7 | FF50987 |
| Angled support for RC 270 PRO anchor base | 2.8 | FF50990 |

ACCESSORIES



| Description | No. | Description | No. |
|----------------------------------|--------------------|---|--------------------|
| RODIADRILL 3000 PD | 307 FF40300 | RODIA DRY CLEANER 1200 | 317 FF35148 |
| Pressurized water container 10 l | 318 FF35026 | Water collection ring (only in combination) | 319 FF35730 |
| Vacuum pump RODIA-VAC | 316 FF35200 | Extension | 319 |
| Vacuum sets | 316 FF35740 | Drill bits | 310-315 |



Diamond Core Drilling System RODIACUT® PRO

RODIACUT® 400 PRO D

Drilling system with dowel plate,
drill Ø 32 - 402 (502) mm



Product Profile

APPLICATION AREA

2 applications in one unit:

Stationary wet drilling in (reinforced) concrete Ø 32 - 502 mm
Stationary dry drilling in masonry Ø 32 - 502 mm

KEY FEATURES

- 1 Drill angle adjustments from -15° up to +45°, in 2.5° steps adjustable
- 2 Exchangeable guide rail

TECHNICAL DATA (DRILL STANDS)

| | |
|------------------------|---|
| Drilling range: | no water collection ring: max. Ø 500 mm |
| Weight: | 28.4 kg |
| Length: | 460 mm |
| Width: | 260 mm |
| Height: | 1100 mm |
| Hub: | 680 mm |

TECHNICAL DATA (DRILL MOTOR)

| | |
|---------------------------------|---|
| Drill motor: | RODIADRILL 3000 PD |
| Drilling range: | in concrete max. Ø 500 mm in masonry max. Ø 500 mm |
| Min. distance to wall: | 50 mm from drill hole centre |
| Min. distance to corner: | 50 mm from drill hole centre |
| Threaded adaptor: | R 1/2" + 1.1/4" UNC |
| Rated input/output: | 4000 Watt / 3000 Watt |
| 3 speed transmission: | (215 - 430 - 785 rpm) |
| Torque: | 185 - 107 - 55 Nm |
| Charging rate: | 20.0 A |
| Weight: | 12.1 kg |



4 x roll guides
Zero-play operation

Sliding carriage can be used on all
RODIACUT® PRO drill stands and
columns

Tool-less quick mounting/demounting
of drill motor on drill stand



Distance plates (FF35138)

To enlarge the drill hole diameter from
Ø 402 to 502 mm with RODIACUT® 400 PRO

Rubber transport wheels

Quick and easy transport on the building
site (optional with anchor plate)

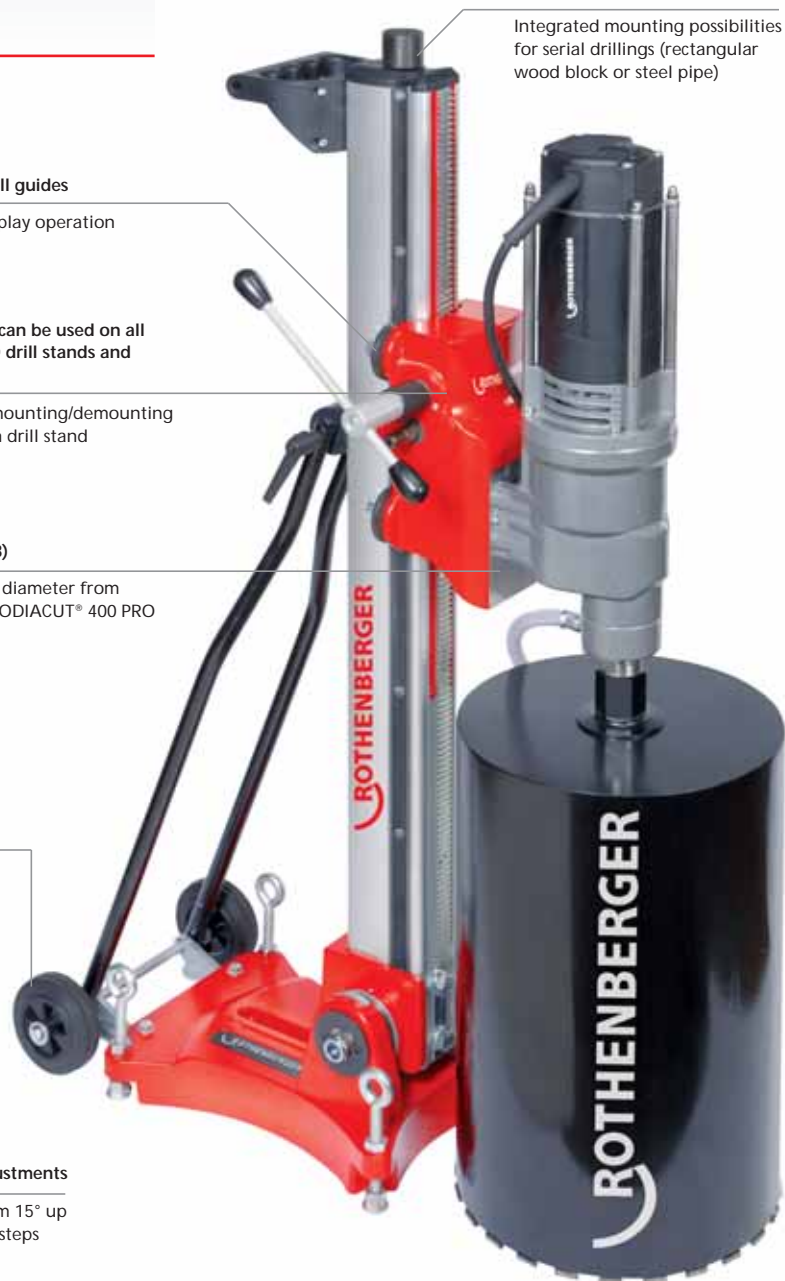


1 Drill angle adjustments

Adjustable from 15° up
to +45° in 2.5° steps

Braced head

Integrated mounting possibilities
for serial drillings (rectangular
wood block or steel pipe)



Diamond Core Drilling System RODIACUT® PRO

Characteristics 400 PRO D

Available with both drill stands:

- 4 x roll guides
- Stainless steel handle, can be changed without tools
- Exchangeable rack and guide rail
- Stable threaded connection between column and base plate
- Transport handle
- Lockable feed unit
- Drill depth measuring scale
- Braced head



Gear reduction 1:3
Reduces the contact pressure of the drill bit

Stainless steel handle
Tool-less quick change for the operating side, sturdy design



2 Exchangeable guide rail / exchangeable rack / motor mounting
Cost-saving spare parts



Fig. 400 PRO D

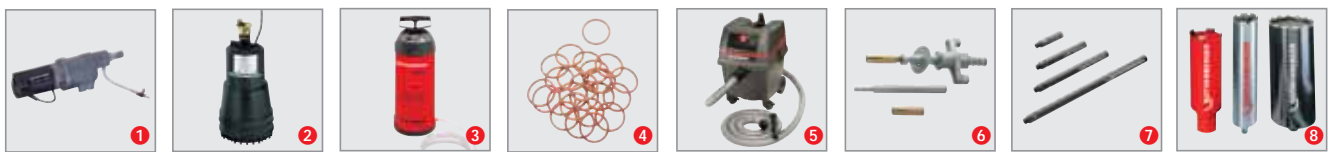
Scope of delivery (No. FF34300): Drill stand RODIACUT® 400 PRO D, drill motor RODIADRILL 3000 PD, spanner size 24 - size 36 - size 41, water supply hose (No. FF35302), hexagonal pin key (No. 32.1300), concrete set, complete (No. FF5120),

| Model | kg | No. |
|-----------------------------------|------|----------------|
| RODIACUT® 400 PRO D | 40.5 | FF34300 |
| Drill stand RODIACUT® 400 PRO D | 28.4 | FF30030 |
| Drill column 1420 mm, Hub 1000 mm | 16.1 | FF50995 |
| Drill column 1100 mm, Hub 680 mm | 11.7 | FF50996 |
| Drill column 1920 mm, Hub 1500 mm | 21.4 | FF50997 |

Copper ring 1.1/4" (No. FF35190), Instruction manual RODIADRILL 3000 PD (No. 9.0725), tool bag (No. FF70001)

| Description | kg | No. |
|---|------|----------------|
| Feed unit for RC 400 PRO | 5.1 | FF50993 |
| Angled support for RC 400 PRO anchor base | 3.2 | FF50998 |
| RODIADRILL 3000 PD | 12.1 | FF40300 |

ACCESSORIES



| Description | No. | Description | No. |
|----------------------------------|-----------------------------|-----------------------------------|-----------------------------|
| RODIADRILL 2400 PD-E | 1 305 FF40210 | RODIA DRY CLEANER 1200 | 5 317 FF35148 |
| Submersible water pump RODIAPUMP | 2 318 FF35029 | Mounting articles and accessories | 6 318 |
| Pressurized water container 10 l | 3 318 FF35026 | Extension | 7 319 |
| Copper ring 1.1/4" | 4 318 FF35190 | Drill bits | 8 310-315 |



Wall Slot Cutter

Wall Slot Cutter WALL CUT 6540

Wall slot cutter for precise slots for the laying of pipes, cable ducts and electronic lines slot width: 5 - 40 mm, cutting depth: 20 - 65 mm

Ideal for use in the HVAC&R, plumbing and electrical industries, in enclosed rooms or in inhabited buildings where jolt and dust-free operation is required, (in accordance with § 45 Abs. 1 and 2 ASchG).



Cuts wall slots for pipe and electronic lines.

Product Profile

APPLICATION AREA

For use with concrete, masonry, lime sand brick, brickwork

KEY FEATURES

- Effort-saving operation with the downward pulling cut
- ❶ Precise guidance and easy feed movements without much effort
- ❷ Faster cut-off wheel change with locking spindle
- ❸ Holding and transport handle can be adjusted to various positions
- ❹ Dust extraction guarantees visibility for direct, accurate cutting and safe operation
- ❺ Optimum adjustment for all working positions
- ❻ Turning-on unintentionally is prevented by latch

TECHNICAL DATA

| | |
|----------------------------|------------|
| Voltage: | 230 V |
| Rated input: | 2500 W |
| Charging rate: | 11 A |
| Idle speed: | 6600 rpm |
| Saw blade holder: | Ø 230 mm |
| Max. Cutting depth: | 65 mm |
| Max. Slot width: | 40 mm |
| Weight: | 9.0 kg |
| Slot width: | 5 - 40 mm |
| Cutting depth: | 20 - 65 mm |



Fine dust extraction unit RODIA DRY Cleaner 1200 (No. FF35148)

Effort-saving operation with the downward pulling cut



Scope of delivery (No. FF40040): Wall slot cutter WALL CUT 6540 with 2 saw blades Ø 230 mm (No. FF11230), chisel (No. 7.7151), pin type face wrench (No. FF70088), transport case (No. FF60101)

| Model | kg | No. |
|---------------------|-----|---------|
| WALL CUT 6540 - set | 9.0 | FF40040 |

ACCESSORIES



| Description | kg | No. |
|------------------------------|------|---------|
| Cut-off discs | 309 | |
| Clamping set, complete | 0.6 | FF53505 |
| RODIA DRY Cleaner 1200 | 317 | FF35148 |
| Transport case WALL CUT 6540 | 10.0 | FF60101 |



Diamond Cut-Off Discs

Professional cut-off discs series - Ø 115 - 350 mm

A perfect choice for all areas of application, such as gardening and landscaping, roofing, electronics, etc. Ideally graded based on the

price/performance ratio. Through innovative technology in the area of segments, the dry/wet operating method has been brilliantly designed.

Product Profile

KEY FEATURES

- 1 Longer service life with the "High Press Technology"
- 2 Less wear with the cool down effect

KEY FEATURES

- 3 Extremely easy cuts with the 10 mm turbo segments
- 4 Optimum cut guidance with the reinforced steel core

- 1 No "Neutral Zone", resulting in segment diamonds having a longer service life

Segments are attached per "High Press Technology"

- 2 Causes very low temperature absorption and therefore reduces the wear of the segment diamonds

Cool down effect with cooling slot

- 4 No vibration and better cut guidance

Reinforced steel core



- 3 Extremely easy cuts with very long service life

10 mm turbo segments

The 4 Professionals

RED Professional

for concrete, reinforced concrete, brickwork, exposed aggregate concrete, roofing tile, granite, artificial stone, semi-hard clinker, ceramic, SML pipes, common construction site material



Special 10 mm Sinter segments

BLACK Professional

for concrete, reinforced concrete, brickwork, exposed aggregate concrete, roofing tile, semi-hard clinker, common construction site material



10 mm Laser segments

BLUE Professional

for concrete, reinforced concrete, brickwork, exposed aggregate concrete, soft + semi-hard clinker, common construction site material



7 mm Laser segments

GREEN Professional

for concrete, brickwork, ceramic, natural and artificial stone



7 mm Sinter segments

Ø mm No.

| | |
|---------|---------|
| RED 115 | FF11115 |
| RED 125 | FF11125 |
| RED 150 | FF11150 |
| RED 180 | FF11180 |
| RED 230 | FF11230 |
| RED 300 | FF11300 |
| RED 350 | FF11350 |

Ø mm No.

| | |
|-----------|---------|
| BLACK 115 | FF12115 |
| BLACK 125 | FF12125 |
| BLACK 150 | FF12150 |
| BLACK 180 | FF12180 |
| BLACK 230 | FF12230 |
| BLACK 300 | FF12300 |
| BLACK 350 | FF12350 |

Ø mm No.

| | |
|----------|---------|
| BLUE 115 | FF13115 |
| BLUE 125 | FF13125 |
| BLUE 150 | FF13150 |
| BLUE 180 | FF13180 |
| BLUE 230 | FF13230 |
| BLUE 300 | FF13300 |
| BLUE 350 | FF13350 |

Ø mm No.

| | |
|-----------|---------|
| GREEN 115 | FF16115 |
| GREEN 125 | FF16125 |
| GREEN 150 | FF16150 |
| GREEN 180 | FF16180 |
| GREEN 230 | FF16230 |

Reinforced concrete

Marble

Granite

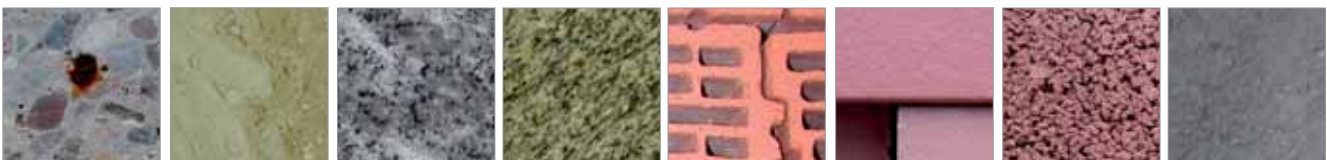
Green granite

Hollow brick

Masonry

Aerated concrete

Asphalt



Cutting Diamond Core Drill Bits

Space Welding

Cold welding process according to cutting-edge bonding technology: Due to the "neutral zone" the entire diamond segment is used without waste.

Product Profile

SPACE WELDING

Wet and dry drilling with new technology:

- The innovative high-performance drill bit **DURAMANT PRO** and **SPEED STAR DX** is produced using cutting-edge welding technology
- Because of the neutral zone, the "Space Welding" cold welding process guarantees the optimum use of the complete diamond segments without loss
- The service life is up to 20% higher compared to lasered and soldered drill bits.

PRISMACUT

Four drill nodules on the diamond segment improve the drill behaviour and at the same time provides optimum water cooling

PRISMACUT

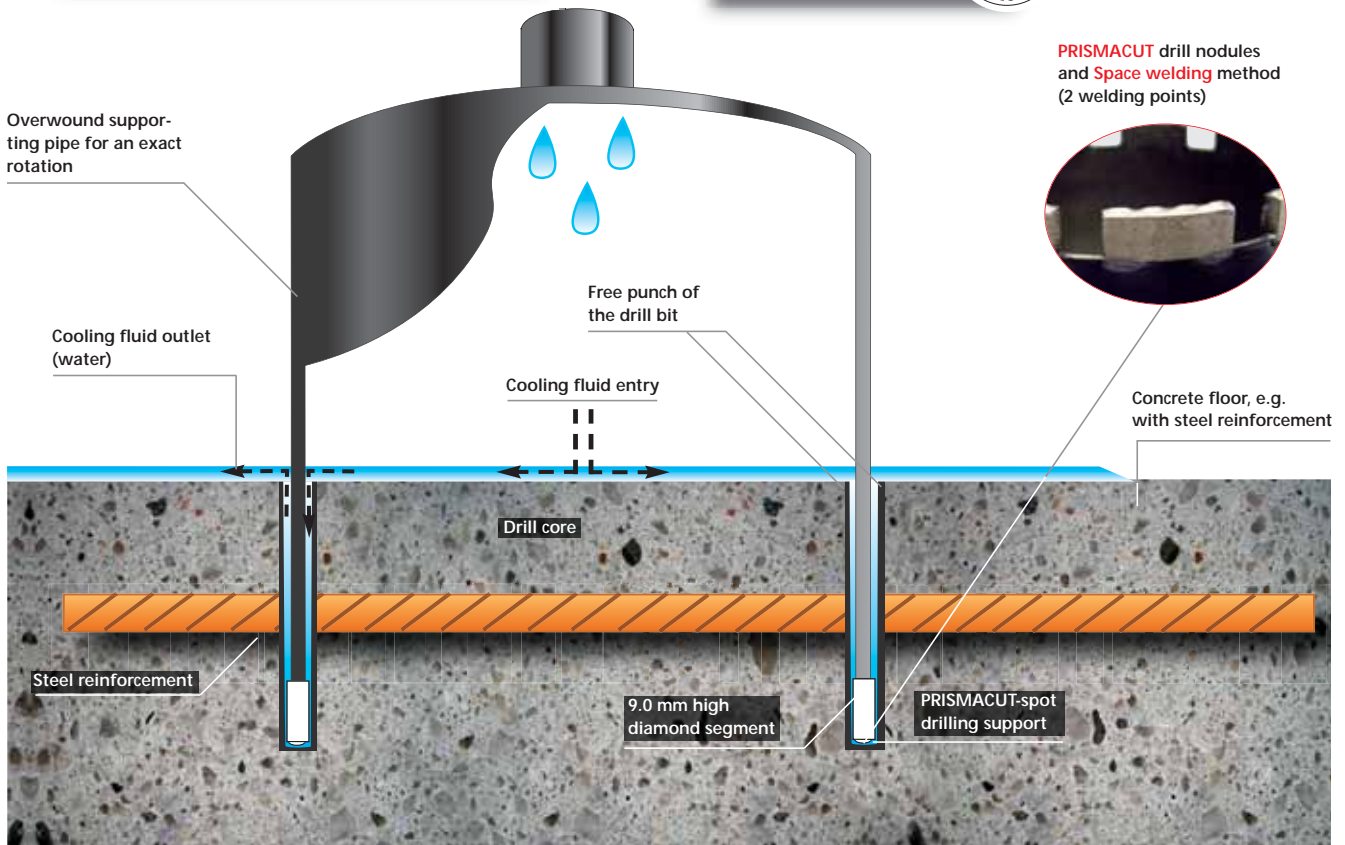
- The **exceptional segment positioning** offers optimum free punch size and an excellent cutting speed
- The "PRISMACUT" centre drill nodule is characterised by a better drill behaviour and preservation of the diamond segment
- PRISMACUT guarantees direct water cooling of the diamond segments
- 15% higher cutting speed with steel reinforcement

approx. 20% longer service life

Space welding and PRISMACUT









PRISMACUT drill nodules and Space welding method (2 welding points)



9

Segment shape / Connection types

| Connection | Cold welding method "SPACE WELDING" | Laser-welded | Solder-welded |
|----------------|---|--|---|
| Segment shape | PRISMACUT-Segment | Roof-type segment | Flat segment |
| |   |   |   |
| Drill bit type | DURAMANT PRO / Speed Star DX | EUROLASER / DX High Speed Plus | High Speed Plus – Natural stone |

Cutting Diamond Core Drill Bits

Duramant PRO Universal Drill Bits

Space Welding wet and dry drill bits, Ø 22 - 502 mm

Space welding and PRISMACUT



Product Profile

APPLICATION AREA

Wet drill bits for drilling in reinforced-concrete asphalt, as well as natural and artificial stone from Ø 32 - 302 mm
Dry drill bits for drilling in masonry, lime sand brick, porcelain and other light building materials from Ø 52 - 302 mm

KEY FEATURES

- 1 Enables wet and dry use
- 2 Extremely easy cutting, safe cut in hand-operated use
- 3 Faster drilling progress and longer service life
- 4 Suitable for all other ROTHENBERGER drilling machines
- 5 Balanced rotation reduces wear
- Standard lengths 400 mm with R 1/2" and 500 mm with 1.1/4" UNC
- Conventional R 1/2" and 1.1/4" UNC threaded adaptors

TECHNICAL DATA

| Drill bit | Segment No. | Segment dimensions (L x W x H) |
|----------------|-------------|--------------------------------|
| Ø 22 - 38 mm | 2 | 16 x 3.0 x 7.0 mm |
| Ø 40 - 48 mm | 2 | 24 x 3.0 x 9.0 mm |
| Ø 50 - 55 mm | 5 - 6 | 24 x 3.5 x 9.0 mm |
| Ø 56 - 72 mm | 6 - 7 | 24 x 3.5 x 9.0 mm |
| Ø 75 - 102 mm | 7 - 8 | 24 x 3.5 x 9.0 mm |
| Ø 107 - 142 mm | 9 - 11 | 24 x 4.0 x 9.0 mm |
| Ø 142 - 182 mm | 11 - 14 | 24 x 4.0 x 9.0 mm |
| Ø 182 - 250 mm | 14 - 16 | 24 x 4.0 x 9.0 mm |
| Ø 300 - 500 mm | 16 - 26 | 20 x 5.0 x 9.0 mm |

Suitable for



4 Threaded adaptor R 1/2" and 1.1/4" UNC

Suitable for all other ROTHENBERGER drilling machines

1 DURAMANT PRO segments

Allows wet and dry use

2 Durable (DURAMANT) PRISMACUT

Extremely easy cutting, safe cut in hand-operated use

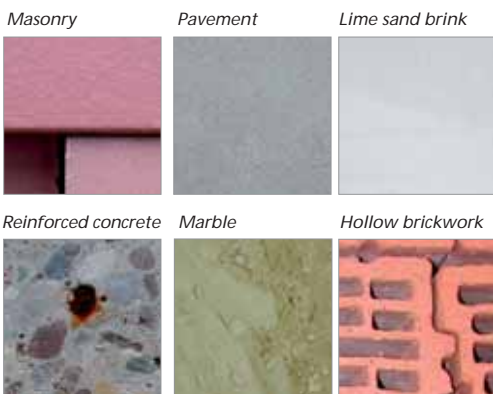
approx. 20% longer service life!

5 Overwound drill bits

Balanced rotation reduces wear

3 Special segment composition

Faster drilling progress and extremely long service life



Connection R 1/2"

| Ø mm | kg | No. |
|------|-----|---------|
| 22 | 0.8 | FF42620 |
| 32 | 0.9 | FF42630 |
| 42 | 1.1 | FF42640 |
| 52 | 1.3 | FF42650 |
| 62 | 1.5 | FF42660 |
| 72 | 1.9 | FF42670 |

Connection R 1/2"

| Ø mm | kg | No. |
|------|-----|---------|
| 82 | 2.1 | FF42680 |
| 92 | 2.5 | FF42690 |
| 102 | 2.7 | FF42700 |
| 112 | 3.1 | FF42710 |
| 122 | 3.3 | FF42720 |
| 132 | 3.8 | FF42730 |

Connection 1.1/4"

| Ø mm | kg | No. |
|------|-----|---------|
| 32 | 1.1 | FF42030 |
| 36 | 1.2 | FF42035 |
| 42 | 1.3 | FF42040 |
| 46 | 1.4 | FF42045 |
| 52 | 1.6 | FF42050 |
| 56 | 1.7 | FF42055 |
| 62 | 1.8 | FF42060 |
| 66 | 2.0 | FF42065 |
| 72 | 2.2 | FF42070 |
| 76 | 2.4 | FF42075 |
| 82 | 2.6 | FF42080 |
| 87 | 2.8 | FF42085 |
| 92 | 3.0 | FF42090 |
| 102 | 3.2 | FF42100 |
| 108 | 3.5 | FF42105 |
| 112 | 3.7 | FF42110 |
| 122 | 3.9 | FF42120 |

Connection 1.1/4"

| Ø mm | kg | No. |
|------|------|---------|
| 125 | 4.3 | FF42125 |
| 132 | 4.7 | FF42130 |
| 142 | 5.2 | FF42140 |
| 152 | 5.9 | FF42150 |
| 162 | 6.4 | FF42160 |
| 172 | 6.9 | FF42170 |
| 182 | 7.5 | FF42180 |
| 200 | 8.2 | FF42200 |
| 220 | 8.8 | FF42220 |
| 250 | 9.3 | FF42250 |
| 280 | 9.7 | FF42280 |
| 300 | 10.5 | FF42300 |
| 350 | 11.3 | FF42350 |
| 400 | 12.1 | FF42400 |
| 450 | 12.9 | FF42450 |
| 500 | 13.5 | FF42500 |

Suitable for other drill systems with R 1/2" and 1.1/4"

Cutting Diamond Core Drill Bits

SPEED STAR DX

Space welding wet and dry drill bits Ø 10 - 500 mm

Space welding and PRISMACUT



Product Profile

APPLICATION AREA

Wet and dry drill bits asphalt, masonry, as well as natural and artificial stone of Ø 10 - 502 mm

Typical areas of application are HVAC&R, plumbing, old building renovations, building industry, air-conditioning technology, gardening and landscaping

KEY FEATURES

- 1 Extremely easy cuts, safe cut in hand-operated use
- 2 Balanced rotation reduces wear
- 3 Suitable for all other ROTHENBERGER drilling machines
- Standard lengths 400 / 500 mm, special lengths available on request
- Conventional R 1/2" and 1.1/4" UNC threaded adaptors

TECHNICAL DATA

| Drill bits | Segment No. | Segment dimensions (L x W x H) |
|----------------|-------------|--------------------------------|
| Ø 22 - 38 mm | 2 | 16 x 3.0 x 7.0 mm |
| Ø 40 - 48 mm | 2 | 24 x 3.0 x 9.0 mm |
| Ø 50 - 55 mm | 5 - 6 | 24 x 3.5 x 9.0 mm |
| Ø 56 - 72 mm | 6 - 7 | 24 x 3.5 x 9.0 mm |
| Ø 75 - 102 mm | 7 - 8 | 24 x 3.5 x 9.0 mm |
| Ø 107 - 142 mm | 9 - 11 | 24 x 4.0 x 9.0 mm |
| Ø 142 - 182 mm | 11 - 14 | 24 x 4.0 x 9.0 mm |
| Ø 182 - 250 mm | 14 - 16 | 24 x 4.0 x 9.0 mm |
| Ø 300 - 500 mm | 16 - 26 | 20 x 5.0 x 9.0 mm |

Connection R 1/2" : Effective length 400
Connection 1.1/4" : Effective length 500

1 Durable (DURAMANT) PRISMACUT

Extremely easy cutting, safe cut in hand-operated use

Extremely high diamond concentration

Faster drilling progress



2 Overwound drill bits

Balanced rotation reduces wear

3 Threaded adaptor R 1/2" and 1.1/4" UNC

Suitable for all other ROTHENBERGER drilling machines

Special drill bits for pavement, asphalt, as well as special lengths up to 1000 mm available upon request

Suitable for



* We recommend the optional extraction rotor when using as a dry drill bit

Reinforced concrete Marble Asphalt



9

| Ø mm | kg | Connection R1/2" No. | Ø mm | kg | Connection R1/2" No. | Ø mm | kg | Connection 1.1/4" No. | Ø mm | kg | Connection 1.1/4" No. |
|------|------|----------------------|------|------|----------------------|------|-----|-----------------------|------|------|-----------------------|
| 10 | 0.25 | FF00610 | 50 | 1.30 | FF00650 | 20 | 0.8 | FF00020 | 117 | 3.9 | FF00115 |
| 12 | 0.30 | FF00612 | 56 | 1.40 | FF00655 | 25 | 0.9 | FF00025 | 122 | 4.3 | FF00120 |
| 14 | 0.40 | FF00614 | 61 | 1.50 | FF00660 | 30 | 1.1 | FF00030 | 127 | 4.7 | FF00125 |
| 15 | 0.50 | FF00615 | 66 | 1.60 | FF00665 | 35 | 1.2 | FF00035 | 132 | 5.2 | FF00130 |
| 16 | 0.55 | FF00616 | 71 | 1.90 | FF00670 | 40 | 1.3 | FF00040 | 142 | 5.6 | FF00140 |
| 18 | 0.60 | FF00618 | 76 | 1.90 | FF00675 | 45 | 1.4 | FF00045 | 152 | 5.9 | FF00150 |
| 20 | 0.80 | FF00620 | 81 | 2.10 | FF00680 | 52 | 1.6 | FF00050 | 162 | 6.9 | FF00160 |
| 22 | 0.80 | FF00622 | 86 | 2.20 | FF00685 | 56 | 1.7 | FF00055 | 172 | 7.5 | FF00170 |
| 24 | 0.85 | FF00624 | 91 | 2.50 | FF00690 | 62 | 1.8 | FF00060 | 182 | 8.2 | FF00180 |
| 25 | 0.85 | FF00625 | 96 | 2.60 | FF00695 | 66 | 2.0 | FF00065 | 200 | 8.8 | FF00200 |
| 26 | 0.85 | FF00626 | 101 | 2.70 | FF00700 | 72 | 2.2 | FF00070 | 220 | 9.3 | FF00220 |
| 28 | 0.85 | FF00628 | 106 | 2.90 | FF00705 | 76 | 2.4 | FF00075 | 250 | 9.7 | FF00250 |
| 30 | 0.90 | FF00630 | 111 | 3.10 | FF00710 | 82 | 2.6 | FF00080 | 280 | 10.1 | FF00280 |
| 32 | 0.95 | FF00632 | 116 | 3.20 | FF00715 | 87 | 2.8 | FF00085 | 300 | 10.5 | FF00300 |
| 35 | 1.00 | FF00635 | 121 | 3.30 | FF00720 | 92 | 3.0 | FF00090 | 350 | 11.3 | FF00350 |
| 38 | 1.10 | FF00638 | 126 | 3.50 | FF00725 | 97 | 3.1 | FF00095 | 400 | 12.1 | FF00400 |
| 40 | 1.10 | FF00640 | 131 | 3.80 | FF00730 | 102 | 3.2 | FF00100 | 450 | 12.9 | FF00450 |
| 45 | 1.20 | FF00645 | | | | 107 | 3.5 | FF00105 | 500 | 13.5 | FF00500 |
| | | | | | | 112 | 3.7 | FF00110 | | | |

Suitable for other drill systems with R 1/2" and 1.1/4"

Cutting Diamond Core Drill Bits

DX-High Speed Plus Universal Drill Bits

Laser-welded universal wet and dry drill bits,
Ø 22 - 302 mm



| Product Profile |
|--|
| APPLICATION AREA |
| Wet and dry drill bits for drilling in reinforced concrete, asphalt, masonry, as well as lime sand brick for Ø 22 - 302 mm Typical areas of application are HVAC&R and electronic installations, old building renovations, building industry, air-conditioning technology, garden and landscaping |
| KEY FEATURES |
| <ol style="list-style-type: none"> Extremely easy cutting, safe cut in hand-operated use Faster cutting progress and extremely long service life Suitable for all other ROTHENBERGER drilling machines Balanced rotation reduces wear |

| TECHNICAL DATA | | |
|------------------------------|-------------|--------------------------------|
| R 1/2" connection | | |
| Drill bit | Segment No. | Segment dimensions (L x W x H) |
| Ø 22 mm | 2 | 19.3 x 2.5 x 9 mm |
| Ø 32 mm | 2 | 30.0 x 2.5 x 9 mm |
| Ø 42 - 62 mm | 4 - 6 | 24.0 x 2.5 x 9 mm |
| Ø 72 - 92 mm | 6 - 8 | 24.0 x 2.8 x 9 mm |
| Ø 102 - 132 mm | 9 - 10 | 24.0 x 3.3 x 9 mm |
| 1.1/4" UNC connection | | |
| Ø 32 - 62 mm | 2 - 6 | 24.0 x 2.5 x 9 mm |
| Ø 72 - 92 mm | 6 - 8 | 24.0 x 2.8 x 9 mm |
| Ø 102 - 152 mm | 9 - 11 | 24.0 x 3.3 x 9 mm |
| Ø 162 - 182 mm | 12 - 13 | 24.0 x 3.8 x 9 mm |
| Ø 202 - 302 mm | 14 - 18 | 24.0 x 4.0 x 9 mm |



3 Threaded adaptor R 1/2" and 1.1/4" UNC

Suitable for all other ROTHENBERGER drilling machines



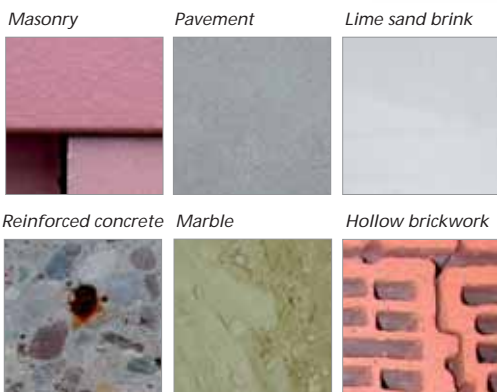
1 Roof-type segments

Extremely easy cuts, safe cuts in hand-operated use

Laser-welded segments
Allows wet and dry use



Highest service life and universal application!



4 Overwound drill bits

Balanced rotation reduces wear

2 Special segment composition

Faster drilling progress and extremely long service life

| Connection R 1/2" | | | Connection R 1/2" | | |
|-------------------|------|---------|-------------------|------|---------|
| Ø mm | kg | No. | Ø mm | kg | No. |
| 22 | 0.20 | FF44620 | 82 | 0.30 | FF44680 |
| 32 | 0.22 | FF44630 | 92 | 0.32 | FF44690 |
| 42 | 0.24 | FF44640 | 102 | 0.35 | FF44700 |
| 52 | 0.25 | FF44650 | 112 | 0.36 | FF44710 |
| 62 | 0.26 | FF44660 | 122 | 0.37 | FF44720 |
| 72 | 0.28 | FF44670 | 132 | 0.38 | FF44730 |

| Connection 1.1/4" | | | Connection 1.1/4" | | |
|-------------------|------|---------|-------------------|------|---------|
| Ø mm | kg | No. | Ø mm | kg | No. |
| 32 | 0.22 | FF44030 | 132 | 0.38 | FF44130 |
| 42 | 0.24 | FF44040 | 142 | 0.26 | FF44140 |
| 52 | 0.25 | FF44050 | 152 | 0.28 | FF44150 |
| 62 | 0.26 | FF44060 | 162 | 0.30 | FF44160 |
| 72 | 0.28 | FF44070 | 172 | 0.32 | FF44170 |
| 82 | 0.30 | FF44080 | 182 | 0.35 | FF44180 |
| 92 | 0.32 | FF44090 | 202 | 0.36 | FF44200 |
| 102 | 0.35 | FF44100 | 222 | 0.37 | FF44220 |
| 112 | 0.36 | FF44110 | 252 | 0.38 | FF44250 |
| 122 | 0.37 | FF44120 | 302 | 0.38 | FF44300 |

Suitable for all other drilling systems with R 1/2" and 1.1/4"



Cutting Diamond Core Drill Bits

High Speed Plus Natural Stone

Soldered diamond core wet cutting drill bit
 Ø 6 - 68 mm for extremely hard materials

Suitable for all other
 drilling systems with
 R 1/2" and 1.1/4"



Product Profile

APPLICATION AREA

Special wet drill bits for drilling in natural stone, granite, marble, (double) baked brick, masonry, (reinforced) concrete, glass or hollow brickwork from Ø 6 - 68 mm

Typical areas of application are HVAC&R, plumbing and electronic installations, old building renovations, laying tile, stairs and railing installation, air-conditioning technology, garden and landscaping

KEY FEATURES

- 1 Extremely easy cuts, very long service life through 9 mm high segments
- 2 Suitable for all ROTHENBERGER drilling machines
- 3 Balanced rotation reduces wear

KEY FEATURES

- Drilling even through material combinations possible
- Drill holes on the seam or edge of material possible with the use of diamond rings
- Conventional R 1/2" threaded attachments

TECHNICAL DATA

R 1/2" connection

| Drill bits | Segment No | Segment dimensions (L x W x H) |
|---------------|---------------|--------------------------------|
| Ø 6 - 40 mm | Ring segments | Ring x (1.15 - 2.0) x 9 mm |
| Ø 45 - 68 mm* | 4 - 6 | 24 x 2.5 x 8 mm |



Drilling of the hardest materials



Reinforced concrete Marble



Hollow brickwork Masonry



Granite



Aerated Concrete



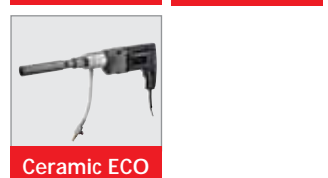
Green granite



Asphalt



Suitable for



| Ø mm | kg | No. | Ø mm | kg | No. | Ø mm | kg | No. | Ø mm | kg | No. |
|------|------|---------|------|------|---------|------|------|---------|------|------|---------|
| 6 | 0.19 | FF44806 | 18 | 0.21 | FF44818 | 30 | 0.25 | FF44830 | 45* | 0.42 | FF44845 |
| 8 | 0.17 | FF44808 | 20 | 0.22 | FF44820 | 32 | 0.25 | FF44832 | 50* | 0.60 | FF44850 |
| 10 | 0.17 | FF44810 | 22 | 0.22 | FF44822 | 35 | 0.30 | FF44835 | 55* | 0.65 | FF44855 |
| 12 | 0.19 | FF44812 | 24 | 0.22 | FF44824 | 36 | 0.32 | FF44836 | 60* | 0.72 | FF44860 |
| 14 | 0.20 | FF44814 | 25 | 0.23 | FF44825 | 38 | 0.34 | FF44838 | 65* | 0.76 | FF44865 |
| 15 | 0.20 | FF44815 | 26 | 0.23 | FF44826 | 40 | 0.34 | FF44840 | 68* | 0.79 | FF44868 |
| 16 | 0.20 | FF44816 | 28 | 0.25 | FF44828 | 42 | 0.35 | FF44842 | | | |

* with single segment mounting

Cutting Diamond Core Drill Bits



EUROLASER

Laser-welded dry cutting drill bit Ø 32 - 202 mm

| Product Profile | |
|--|--|
| APPLICATION AREA | |
| <p>Special dry cutting drill bit for drilling in lime sand brick, hollow brickwork, bricks, aerated concrete, masonry from Ø 32 - 202 mm</p> <p>Typical areas of application are HVAC&R, plumbing and electronic installations, old building renovations, oven and fire-place construction, air-conditioning technology, gardening and landscaping</p> | |
| KEY FEATURES | |
| <ol style="list-style-type: none"> Extremely easy cutting, safe cut in hand-operated use Extremely large extraction hole reduces jamming of drill bit High drilling speed with less wear | |

| KEY FEATURES | | |
|--|-------------|--------------------------------|
| <ul style="list-style-type: none"> Easy removing of the drill dust using the extraction rotor Conventional 1.1/4" UNC thread adaptors Use near walls possible, nominal length 150 mm / 300 mm | | |
| TECHNICAL DATA | | |
| 1.1/4" UNC connection | | |
| Drill bit | Segment No. | Segment dimensions (L x W x H) |
| Ø 32 - 102 mm | 3 - 6 | 20 x 4.0 x 8 mm |
| Ø 112 - 202 mm | 6 - 8 | 20 x 4.0 x 8 mm |

Nominal length from 80 mm

Strong weight reduction, very close work to walls

1 Roof-type segments
Extremely easy cuts, safe cuts in hand-operation

2 Thread connections with 1.1/4" UNC
Extremely large extraction hole reduces jamming of drill bit, Quick and clean transport of the drill dust using the extraction rotor

Suitable for

| | |
|-----------|------------|
| | |
| 1800 DWS* | 2400 PD-E* |
| | |
| 1800 DRY | 3000 PD* |

NL 80 mm (M16)

*optional with extraction rotor

3 8 mm high diamond segments
High drilling speed, low wear

150 mm 300 mm 300 mm



| Ø mm | M16 80 mm | 1.1/4" Nominal length | | 1.1/4" Nominal length | | |
|------|--------------|-----------------------|---------|-----------------------|---------|-----|
| | | 300 mm | 150 mm | 300 mm | 150 mm | |
| 32 | — | FF03330 | 0.8 | FF03380 | 0.7 | |
| 42 | — | FF03331 | 0.9 | FF03381 | 0.8 | |
| 52 | — | FF03332 | 1.2 | FF03382 | 0.8 | |
| 57 | — | — | — | FF03383 | 0.8 | |
| 62 | — | FF03333 | 1.5 | FF03384 | 0.9 | |
| 68 | FF03168 | 1.6 | — | FF03385 | 1.0 | |
| 72 | — | FF03334 | 1.7 | FF03386 | 1.1 | |
| 76 | — | — | — | FF03387 | 1.2 | |
| 82 | FF03182 | 1.8 | FF03335 | 1.9 | FF03388 | 1.3 |
| 87 | — | — | — | FF03389 | 1.4 | |
| 92 | — | FF03336 | 2.1 | FF03390 | 1.5 | |
| 102 | — | FF03337 | 2.4 | FF03391 | 1.6 | |

| Ø mm | M16 80 mm | 1.1/4" Nominal length | | 1.1/4" Nominal length | |
|------|--------------|-----------------------|--------|-----------------------|--------|
| | | 300 mm | 150 mm | 300 mm | 150 mm |
| 107 | — | — | — | FF03392 | 1.7 |
| 112 | — | FF03338 | 2.7 | FF03393 | 1.8 |
| 117 | — | — | — | FF03394 | 1.9 |
| 122 | — | FF03339 | 2.9 | FF03395 | 2.0 |
| 127 | — | — | — | FF03396 | 2.1 |
| 132 | — | FF03340 | 3.2 | FF03397 | 2.2 |
| 142 | — | — | — | FF03398 | 2.4 |
| 152 | — | FF03341 | 3.7 | FF03399 | 2.7 |
| 162 | — | FF03342 | 3.9 | FF03400 | 3.1 |
| 172 | — | FF03343 | 3.9 | — | — |
| 182 | — | FF03344 | 4.2 | FF03401 | 3.6 |
| 202 | — | FF03345 | 4.5 | FF03402 | 4.0 |



Accessories for Diamond Core Drilling Systems

Galvano Drill Bit Set

For drilling stoneware tiles \varnothing 6 - 83 mm

A cost-effective alternative for drilling in stoneware tiles. With the help of a drilling fixture, drillings can be purposely and accurately positioned. Optimum drilling results are achieved when used with the water flow socket included in the set.

KEY FEATURES

- Drill and centering aid up to \varnothing 43 mm
- Water flow socket with 3 edge adaptor
- Galvano drill with 3 edged shaft
- Drill bit with diamond coating



Set (No. 1.9320) includes: Galvano drill (6 - 8 - 10 - 12 mm), centre drill support, water connection, plastic case

Centre drill support with suction cup

Variable adjustment of the drill dimensions up to \varnothing 43 mm

Water connection

Using quick hose system in R 1/2"



Galvano drill
 \varnothing 6 - 8 - 10 - 12 mm



| Description | | No. |
|-------------------|--------------|----------------|
| Galvano Drill Set | 6-8-10-12 mm | 1.9320 |
| Galvano Drill | 6 mm | FF44906 |
| Galvano Drill | 8 mm | FF44908 |
| Galvano Drill | 10 mm | FF44910 |
| Galvano Drill | 12 mm | FF44912 |
| Galvano Drill | 14 mm | FF44914 |
| Galvano Drill | 16 mm | FF44916 |
| Galvano Drill | 18 mm | FF44918 |
| Galvano Drill | 20 mm | FF44920 |
| Galvano Drill | 22 mm | FF44922 |

| Description | | No. |
|----------------------------|-------|----------------|
| Galvano Drill | 25 mm | FF44925 |
| Galvano Drill | 32 mm | FF44932 |
| Galvano Drill | 38 mm | FF44938 |
| Galvano Drill | 43 mm | FF44943 |
| Galvano Drill | 51 mm | FF44951 |
| Galvano Drill | 61 mm | FF44961 |
| Galvano Drill | 67 mm | FF44967 |
| Galvano Drill | 75 mm | FF44975 |
| Galvano Drill | 83 mm | FF44983 |
| Centre Drill support up to | 43 mm | FF35749 |

Vacuum Pump RODIA-VAC

This vacuum pump is suitable for all diamond core drilling units. An extraction tank prevents the vacuum plate from loosening quickly during a sudden power failure. Oil-free vacuum pump with pressure gauge.

Vacuum Sets



No. FF35710
No. FF35740

1.1 KW Motor power 85%
Vacuum 200 l/min
extraction volume

10 l extraction tank

Safety during a
power failure



No. FF35200

Quick Clamping Column

Tool-less and reliable bracing between floor and wall or wall and wall. Maximum operation range from 1.7 m up to 3.0 with a load capacity up to 500 kg with sideway guidance.

| Description | | No. |
|--|------|----------------|
| Quick Clamping Column | 9.0 | FF35015 |
| Vacuum pump RODIA-VAC 230 V | 20.0 | FF35200 |
| Vacuum set, RODIACUT® 131 DWS, 130, 170C | 1.1 | FF35710 |
| Spare foamed rubber for drill base | 0.1 | FF50007 |
| Vakuum-Set RODIACUT® 202 DWS, 270C | 1.1 | FF35740 |
| Spare foamed rubber for drill base | 0.1 | FF50008 |
| Sharpening stick (286 x 152 x 40 mm) | 1.0 | FF35135 |



No. FF35015



No. FF35135

Accessories for Diamond Core Drilling Systems

RODIA DRY CLEANER 1200

Wet and dry extraction unit

Especially good performance when used with WALL CUT 6540, RODIADRILL 1800 DRY or other ROTHENBERGER extraction-friendly system products.



High cleaning efficiency

2 polyester-filter cassettes with 99.9% dust retention (max. 20 l) water retention of 15 litres

Constant extraction power!
Automatic filter-cleaning function

Fast, optimum removal of dust

Extremely powerful industrial extractor

User comfort with a wide operating range

5 m long suction hose and 8 m long AC power cord



| Model | kg | No. |
|------------------------|------|---------|
| RODIA DRY CLEANER 1200 | 10.8 | FF35148 |
| Folded filter | 1.0 | FF55374 |
| Paper filter | 0.3 | FF55388 |

RODIA CLEANER 1400

Water suction unit

KEY FEATURES

- Easy-to-handle and powerful 1400 watt water extraction unit
- 35 litre container made of zinc-plated steel plate with acrylate coating: Rust-free

The set includes various extraction tubes and extraction nozzles. Wet-suction is possible when used with the cartridge filter system. When used with a cloth filter, dry suction possible. Suitable for use with our core drilling systems.

| Model | kg | No. |
|--------------------|-----|---------|
| RODIA CLEANER 1400 | 9.0 | FF35210 |
| Cartridge filter | 1.0 | FF55467 |
| Cloth filter | 1.0 | FF55468 |

Separate automatic outlet

Connection for an additional electrical apparatus



Light and easy-to handle

Impact protective ring at base with 4 double roller wheels, 8 kg weight

WS 1200

Water Extraction Unit

Pure water extraction unit with enormous capacity up to 120 litres. Permits use at building sites without constant emptying and is therefore especially suitable for use with our larger core drilling systems RODIACUT® 270 PRO and RODIACUT® 400 PRO.

Holding capacity of up to 120 litres

Large, smooth-running transport wheels

High mobility

High-quality accessories

2 stainless steel pipes and 1 metal floor nozzle with rubber lips

6 m long AC power cord and 4 m long suction hose

User comfort with wide working range



| Model | kg | No. |
|---------|------|---------|
| WS 1200 | 23.0 | FF35142 |



Accessories for Diamond Core Drilling Systems

Concrete Fixing Set

Includes (No. FF35120): Knurled thread rod Type G-B 160 mm, screw thread M 12/20 mm (No. FF35129), U-washer (No. FF70166), winged nut M 12 (No. FF55150), 25 x drive-in anchor M 12 (No. FF35122) and drive-in iron (No. FF35128)

Masonry Fixing Set

Includes (No. FF35121): Knurled thread rod Type G-M 280 mm, screw thread M 12/85 mm (No. FF35130), U-washer (No. FF70166), winged nut M 12 (No. FF55150), hexagonal nut M12 (No. FF70167), 5 x rawl anchor M 12 (re-usable) (No. FF35126) and drive-in iron (No. FF35128)

Special Diamond Drills for Tiles and Natural Stone

For use when hammer drills can't do the job. Various material combinations, such as tiles on concrete, can be easily drilled without damage.



| Description | kg | No. |
|-------------------------------------|------|----------------|
| Concrete fixing set | 1.90 | FF35120 |
| Thread rod, U washer, nut | 0.60 | FF35123 |
| Drive-in anchor M 12 | 0.04 | FF35122 |
| Wet drill bit Ø 15 mm | 0.20 | FF44815 |
| SDS-plus hammer drill Ø 15 - 160 mm | 0.16 | 11.1429 |
| Masonry fixing set | 1.10 | FF35121 |
| Thread rod, U washer, nut | 0.70 | FF35124 |
| Rawl anchor M 12 | 0.08 | FF35126 |
| Wet drill bit Ø 20 mm | 0.22 | FF44820 |
| SDS-plus hammer drill Ø 20 - 300 mm | 0.22 | 11.1449 |



Special pin drill
For tile and natural stone

Copper Rings 1.1/4"

KEY FEATURES

- Levels out the unevenness between motor connection and drill bit
- Easy loosening prevents drill bits from getting stuck on the driveshaft



| Description | g | No. |
|--------------------|---|----------------|
| Copper Ring 1.1/4" | 5 | FF35190 |

Thread Interfaces

Between motor connection and drill bit



No. FF35095

No. FF35080

| Description | g | No. |
|--|-----|----------------|
| R 1/2" external thread onto 1.1/4" UNC external thread | 500 | FF35080 |
| 1.1/4" UNC internal thread onto R 1/2" internal thread | 700 | FF35095 |

Water Supply

The sturdy 10 litre pressurized water container made of aluminium is perfectly suited for individual drilling. When drilling large diameters or series drillings, the fully submersible RODIAPUMP enables a mobile supply of water from buckets or other containers up to a delivery height of 5 meters using a 1" water hose.

| Description | kg | No. |
|------------------------------------|------|----------------|
| Pressurized water container | 5.50 | FF35026 |
| Submersible water pump RODIAPUMP | 4.40 | FF35029 |
| Special water supply hose | 0.20 | FF35301 |
| Water supply hose with "Aqua-stop" | 0.21 | FF35302 |



Comfortable water connection

Quick connection with the GK adaptor and quick-plug coupling

Rust-free motor shaft

Prevents the quick jamming of the rotor

Fine filter

Prevents entry of foreign materials and protects the motor shaft

No. FF35029

No. FF35026

Accessories for Diamond Core Drilling Systems

Water Extraction Systems

| Description | kg | No. |
|---|-----|----------------|
| Water collection ring, stationary (up to Ø 130 mm) | 1.2 | FF35700 |
| Spare rubber membrane (for FF35700) | 0.3 | FF55131 |
| Water collection ring, hand-operated (up to Ø 130 mm) | 0.8 | FF35701 |
| Spare water collection ring discs (for FF35701) | 0.2 | FF35702 |
| Water collection ring, stationary (up to Ø 200 mm) | 2.5 | FF35730 |
| Spare rubber membrane (for FF35730) | 0.6 | FF55201 |



Extensions

R 1/2" and 1.1/4" UNC

KEY FEATURES

- Easy extension of the drilling depth
- High-quality and robust steel design

| Nominal length in mm | kg | R1/2" No. | kg | 1.1/4" UNC No. |
|----------------------|------|----------------|------|----------------|
| 100 | 0.40 | FF35040 | 1.00 | FF35060 |
| 200 | 0.90 | FF35045 | 2.00 | FF35065 |
| 300 | 1.40 | FF35050 | 3.00 | FF35070 |
| 500 | 2.40 | FF35055 | 5.10 | FF35075 |



Support Plates for Centering Pin

From Ø 31 mm up to Ø 201 mm

Suitable for FF03300, FF03301, FF03302, FF03303 support plates in connection with centering pin allows a precise drill hole exactly where it is needed.

- Secure hold, drill bit will not slip on the subsurface
- Fast and tool-less assembly / disassembly without the need for screws

Extraction Rotor "RODIADUST"

Universal adaptor for wet drilling machines for dust-free dry drilling

Provides optimum extraction results in conjunction with RODIA DRY CLEANER (FF35148) and increases the drilling process, prevents jamming of drill bit and reduces segment wear.

Centering Pin

From 90 up to 400 mm

Universal drilling assistance for hand-operated drilling moveable carbide centering tip, quick and tool-less assembly / disassembly



| Ø mm | g | No. | Ø mm | g | No. |
|------|----|----------------|------|-----|----------------|
| 31 | 5 | FF03308 | 111 | 50 | FF03316 |
| 41 | 8 | FF03309 | 121 | 55 | FF03317 |
| 51 | 10 | FF03310 | 131 | 58 | FF03318 |
| 61 | 13 | FF03311 | 151 | 77 | FF03319 |
| 71 | 17 | FF03312 | 161 | 80 | FF03320 |
| 81 | 18 | FF03313 | 171 | 85 | FF03321 |
| 91 | 22 | FF03314 | 181 | 100 | FF03322 |
| 101 | 44 | FF03315 | 201 | 120 | FF03323 |

| Description | g | No. |
|---|------|----------------|
| Extraction Rotor 1.1/4" UNC | 1000 | FF40056 |
| Extraction Rotor M 30 x 2 | 1000 | FF40057 |
| Centering Pin for extraction rotor 300 mm | 330 | FF03300 |
| Centering Pin for extraction rotor 400 mm | 330 | FF03301 |
| Centering Pin for extraction rotor 90 mm | 330 | FF03302 |
| Centering Pin for extraction rotor 150 mm | 330 | FF03299 |
| Mounting shaft for centering drill (6-edge) | 200 | FF03091 |
| Mounting shaft for centering drill (SDS) | 200 | FF03092 |
| Adaptor for RODIADRILL 1800 DWS/DRY | 100 | FF35097 |
| Centering tip "Quick-Out" in conjunction with FF35097 | 100 | FF35096 |